

Cleaning & Sterilization of Transonic® Flowprobes & Flowsensors

METHOD	ETO (ETHYLENE OXIDE)	STERRAD®	STEAM (AUTOCLAVE)					
DEVICE	ALL TRANSONIC REUSABLE FLOW PROBES.		ONLY TRANSONIC "flash" REUSABLE FLOWPROBES - flash ON CONNECTOR.					
WARNINGS	DO NOT EXCEED 65°C / 149°F.		<p style="text-align: center; color: red;">Do Not Exceed</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">HQC PROBES</td> <td style="text-align: center; border: none;">HQD PROBES</td> </tr> <tr> <td style="text-align: center; border: none; color: red;">135°C / 275°F</td> <td style="text-align: center; border: none; color: red;">132°C / 270°</td> </tr> </table>	HQC PROBES	HQD PROBES	135°C / 275°F	132°C / 270°	
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LIMITATIONS ON REPROCESSING	<p>DO NOT SOAK PROBES OR PROBE CONNECTOR IN LIQUID DISINFECTANTS. PROBES WITH LIMITED REUSE ARE PROGRAMMED WITH THE NUMBER OF TIMES THEY CAN BE REUSED. REPEATED PROCESSING HAS MINIMAL EFFECT ON INSTRUMENTS. END OF LIFE IS NORMALLY DETERMINED BY WEAR AND DAMAGE DUE TO USE.</p>		<p>(WARNINGS AND INSTRUCTIONS FOR POINT OF USE AND CONTAINMENT & TRANSPORTATION ARE THE SAME AS FOR ETO & STERRAD)</p>					
INSTRUCTIONS POINT OF USE	<p>REMOVE EXCESS DEBRIS WITH DISPOSABLE CLOTH/PAPER. WIPE AND/OR RINSE WITH WATER TO REMOVE EXCESS BIO-MATERIALS.</p>							
CONTAINMENT & TRANSPORTATION	<p>NO PARTICULAR REQUIREMENTS. <i>NOTE:</i> IT IS RECOMMENDED THAT INSTRUMENTS ARE PROCESSED AS SOON AS IS REASONABLY PRACTICAL FOLLOWING USE. DRIED-ON MATERIALS ARE MORE DIFFICULT TO REMOVE.</p>							
CLEANING PREPARATION	<p>FLOWPROBES WITH SLIDING COVER SHOULD BE DISASSEMBLED FOR A THOROUGH CLEANING.</p>							
MANUAL	<p>EQUIPMENT: DETERGENT (CaviCide, MadaCide) OR ALCOHOL / SOFT BRISTLED BRUSH, H₂O METHOD: 1. RINSE EXCESS SOIL FROM INSTRUMENT (TEMP < 30°C, 86°F) 2. USING DETERGENT SOLUTION OR ALCOHOL AND SOFT BRUSH REMOVE ANY VISIBLE FOREIGN MATERIAL ON ALL PROBE AND HANDLE SURFACES FOR 3 TO 5 MINUTES UNDER NORMAL SOIL CONDITIONS. <i>NOTE: CONNECTOR SURFACE MAY BE WIPED CLEAN WITH SOLUTIONS, BUT TAKE CARE NOT TO DAMAGE CONNECTOR PINS. IF SOLUTION GETS ON PINS, CAREFULLY WIPE THEM DRY AS SOON AS POSSIBLE.</i> 3. RINSE WITH CLEAN WATER.</p>		<p>(INSTRUCTIONS FOR MANUAL AND AUTOMATIC CLEANING AND FOR DISINFECTION ARE THE SAME AS FOR ETO & STERRAD)</p>					
AUTOMATIC	<p>AUTOMATIC CLEANERS HAVE NOT BEEN TESTED.</p>		<p>(INSTRUCTIONS FOR MANUAL AND AUTOMATIC CLEANING AND FOR DISINFECTION ARE THE SAME AS FOR ETO & STERRAD)</p>					
DISINFECTION	<p>PROBE HEAD, HANDLE, AND CABLE CAN BE SOAKED IN 70% ALCOHOL FOR >10 MINUTES OR DISINFECTANT SOLUTIONS (CaviCide, MadaCide) MAY BE USED IN ACCORDANCE WITH LABEL INSTRUCTIONS. <i>NOTE: DO NOT SOAK PROBE CONNECTOR.</i></p>							
STERILIZATION	<p>HUMIDITY PRECONDITIONING HUMIDITY: 45-75% RH TEMP: 32-49°C (93-120°F) TIME: 60-90 MINUTES CONDITIONING IN CHAMBER VACUUM: 1.8-3.2 PSIA HUMIDITY: 45-75% RH TEMP: 49-54°C (120-129°F) TIME: 60-90 MINUTES EXPOSURE PRESSURE RANGE: 24.7-26.7 PSIA STERILANT GAS: 10%EO/90% HCFC HUMIDITY: 45-75% RH TEMP: 49-54°C (120-129°F)</p>	<p>TIME: 6-6.5 HOURS POST EXPOSURE VACUUM 1.8-3.2 PSIA, 3 TIMES <i>FOR RESIDUAL REDUCTION USE EITHER;</i> AERATION - HEATED TEMP: 21-43°C (70-109°F) TIME 12-48 HOURS AERATION - AMBIENT TEMP: SEASONAL AMBIENT TIME: 3 DAYS</p>		<p>STERRAD 100: CYCLE TIME, ≈90 MIN; STERRAD 100S: CYCLE TIME, ≈55 MIN; STERRAD 50: CYCLE TIME, ≈45 MIN; STERRAD 200: CYCLE TIME, ≈75 MIN;</p>	<p style="text-align: center; color: red;">ONLY TRANSONIC "flash" REUSABLE FLOWPROBES ARE STEAM STERILIZABLE.</p> <p style="text-align: center;">GRAVITY STEAM OR PRESSURE AUTOCLAVE, MINIMUM 10 MINUTES MAXIMUM 2500 MBAR</p> <p style="text-align: center; color: red;">Do Not Exceed</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">HQC PROBES</td> <td style="text-align: center; border: none;">HQD PROBES</td> </tr> <tr> <td style="text-align: center; border: none; color: red;">135°C / 275°F</td> <td style="text-align: center; border: none; color: red;">132°C / 270°</td> </tr> </table>	HQC PROBES	HQD PROBES	135°C / 275°F
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MAINTENANCE	<p>NO PARTICULAR REQUIREMENTS.</p>		<p>(INSTRUCTIONS FOR MAINTENANCE, INSPECTION, TESTING, PACKAGING, STORAGE, ADDITIONAL INFO AND MANUFACTURER CONTACT ARE THE SAME AS FOR ETO & STERRAD)</p>					
INSPECTION & TESTING FUNCTION	<p>INSPECT EACH PERIVASCULAR PROBE FOR:</p> <ul style="list-style-type: none"> • A BENT REFLECTOR (the reflector should be at a right angle to the probe body). • CRACKS OR CHIPS IN THE PLASTIC PROBE BODY. • NICKS IN THE PROBE CABLE (If nicks are observed, do not reuse). 							
PACKAGING	<p>A STANDARD POLYETHYLENE/TYVEK POUCH MAY BE USED. ENSURE THAT THE PACK IS LARGE ENOUGH TO CONTAIN THE INSTRUMENT WITHOUT STRESSING THE SEALS.</p>							
STORAGE	<p>NO PARTICULAR REQUIREMENTS.</p>							
ADDITIONAL INFORMATION	<p>WHEN STERILIZING MULTIPLE INSTRUMENTS IN ONE CYCLE DO NOT EXCEED THE STERILIZER MANUFACTURER'S STATED MAXIMUM LOAD.</p>							
MANUFACTURER CONTACT	<p>SEE www.transonic.com FOR CONTACT INFORMATION OF LOCAL REPRESENTATIVE. IN THE USA, CALL 800-353-3569</p>							

The instructions provided above have been validated by the manufacturer as being CAPABLE of preparing a device for re-use. It remains the responsibility of the reprocessor to ensure that the reprocessing as actually performed using equipment, materials and personnel in the reprocessing facility achieve the desired result. This normally requires validation and routine monitoring of the process. Likewise any deviation by the reprocessor from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences. Your reprocessing procedure should comply with local regulations.